		Вι	JFF	ER	DA	TΑ				
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730

PROTECTIVE VE	HICLE WITH TMA ROLL AHEAD D	HSTANCE
TYPICAL PROTECTIVE VEHICLE TYPE WITH TMA	TYPICAL PROTECTIVE VEHICLE (WITH TMA) LOADED WEIGHT (LBS)	STATIONARY OPERATION (feet)
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED. ETC.	MINIMUM WEIGHT 15,000 LBS.  (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)	30 MIN. 100 MAX.

ROLL AMEAD STOPPING DISTANCE ASSUMES DRY PAVEMENT **1** A PROTECTIVE VEHICLE IS RECOMMENDED REGARDLESS IF A TMA IS AVAILABLE. IF NO TMA IS USED. THE PROTECTIVE VEHICLE SHALL BE STRATEGICALLY LOCATED IN THE FIELD TO SHIELD WORKERS AND NO ROLL AHEAD DISTANCE IS SPECIFIED. REFER TO CHAPTER 1.5.5 FOR ADDITIONAL INFORMATION

PORTABLE CHANGEABLE MESSAGE SIGN

PCMS

MINIMUM TAPER LENGTH = L (feet)										
Lane	Posted Speed (mph)									
Width (feet)	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	•	-	-
11	115	165	225	295	495	550	605	660		•
12	125	180	245	320	540	600	860	720	*.	

CHANNELIZING DEVICE SPACING (FEET)					
MPH	TAPER	TANGENT			
50 / 60	40	80			
35 / 45	30	60			
25 / 30	20	40			

SIGN SPACING = X (FEET) (1)					
RURAL HIGHWAYS	60/65 MPH	600'±			
RURAL ROADS	45/55 MPH	500°±			
RURAL ROADS & URBAN ARTERIALS	35/40 MPH	350'±			
RURAL ROADS, URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25/30 MPH	200'± (2)			
URBAN STREETS	25 MPH OR LESS	100'± (2)			
URBAN STREETS  ALL SIGNS ARE 48" X 48" BLACK ON OR DESIGNATED.					

- (1) All spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.
- (2) This spacing may be reduced in urban areas to fit roadway conditions.

WORK AHEAD

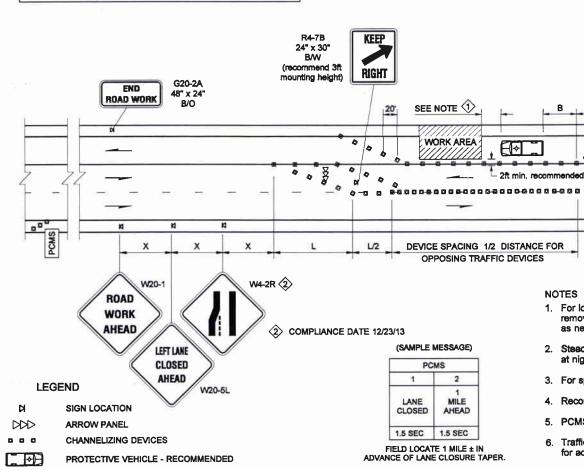
N

G20-2A

48" x 24"

B/O

W20-1



## **NOTES**

1. For long term projects, conflicting pavement markings no longer applicable must be removed or obliterated as soon as practicable. Temporary markings shall be used as necessary and signs shall be post mounted.

END

**ROAD WORK** 

- 2. Steady burn warning lights (Type C, MUTCD) should be used on channelizing devices at night for delineation.
- 3. For speed limits of 30mph or less, use sign W1-3 in lieu of sign W1-4.
- 4. Recommend extending device taper (L/3) across shoulder.
- 5. PCMS recommended.
- 6. Traffic safety drums recommended in tapers. Refer to appendix 2-2 for additional device information.

TYPICAL LANE SHIFT - THREE LANE ROADWAY **TCP 12**